

**METHOD FOR SIMULATING MUSCULOSKELETAL
STRAINS ON A PATIENT**

ABSTRACT OF THE DISCLOSURE

The invention relates to a method and a device for simulating musculoskeletal strains on a patient. Individual musculoskeletal parameters of the patient are determined first, particularly by automatically measuring anthropometric parameters and/or the position and/or alignment of joints, especially also gait-related data such that individual musculoskeletal strains are automatically determined from the determined musculoskeletal parameters of the patient. The individual musculoskeletal strains thus determined are evaluated in a computer-assisted manner regarding at least one target criterion, particularly the contact forces or the degree of motion of a joint or the fragment movements of a fracture.